

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 84-1

NPDES PERMIT NO. CA0028321

WASTE DISCHARGE REQUIREMENTS FOR:

OLIN JONES SAND COMPANY, INC.,
SAND RECLAMATION,
MARTINEZ, CONTRA COSTA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board), finds that:

1. Olin Jones Sand Company (hereinafter called the discharger), by application dated September 8, 1982, has applied for reissuance of waste discharge requirements and a permit to discharge waste under the National Pollutant Discharge Elimination System (NPDES) for its sand reclamation facilities in Martinez, California.
2. The discharger has constructed two retention ponds to receive about 100,000 cubic yards of sand annually which will be hydraulically transported from barges owned by the discharger to the existing 400,000 square foot retention ponds. This activity will result in the discharge of about 250,000 gallons per day of transport water during an average of three days per week. Transport water will be settled in the two retention ponds and discharged through a spillway constructed inside the final retention basin. The wastewater will be discharged to a marsh adjacent to the Carquinez Strait, a water of the United States, through a 26 inch pipe approximately 30 foot long as shown in Attachment A which is incorporated herein and included as part of this Order.
3. The discharge is presently governed by Waste Discharge Requirements, Order No. 78-4, which allow discharge to Carquinez Strait.
4. The Regional Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for Carquinez Strait and contiguous waters.
5. The beneficial uses of Carquinez Strait and contiguous waters are:
 - a. Industrial water supply
 - b. Swimming, water skiing, wading, pleasure boating, marinas and fishing
 - c. Fish and wildlife propagation and sustenance, and migratory birds habitat and resting
 - d. Navigation channels and port facilities
 - e. Esthetic enjoyment.

6. Effluent limitations established pursuant to Section 301, 304 and 307 of the Clean Water Act and amendments thereto are applicable to the discharge.
7. Effluent limitation guidelines requiring the application of best available technology economically achievable (BAT) for this point source category have not been promulgated by the U.S. Environmental Protection Agency. Effluent limitations of this Order are based on the Basin Plan, State plans and policies, current plant performance, the best engineering judgment. These limitations are considered to be those attainable by BAT in the judgment of the Board.
8. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of the the Public Resources Code in accordance with Water Code Section 13389.
9. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
10. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Olin Jones Sand Co., Inc., in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Prohibitions

1. The bypassing of treatment facilities and discharge of untreated waste to waters of the State is prohibited.
2. The discharge of wastewater to the adjacent marsh shall not cause bottom sediment deposits.
3. The discharger is prohibited from receiving sand hydraulically transported from barges which result in a waste discharge in the unloading area except where waste discharge requirements allows for such an operation.
4. The erosion of sand into the adjacent marsh and waters of the State is prohibited.

B. Effluent Limitations

1. Representative samples of the waste discharge shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Units</u>	<u>Maximum</u>
Settleable Matter	ml/l-hr	1.0

2. The waste discharge shall not have a pH of less than 6.5 nor greater than 8.5.

C. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place.
 - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
 - b. Bottom deposits or aquatic growths;
 - c. Alteration of temperature or apparent color beyond present natural background levels;
 - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;
 - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
2. The discharge shall not cause a violation of any applicable water quality standards for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Provisions

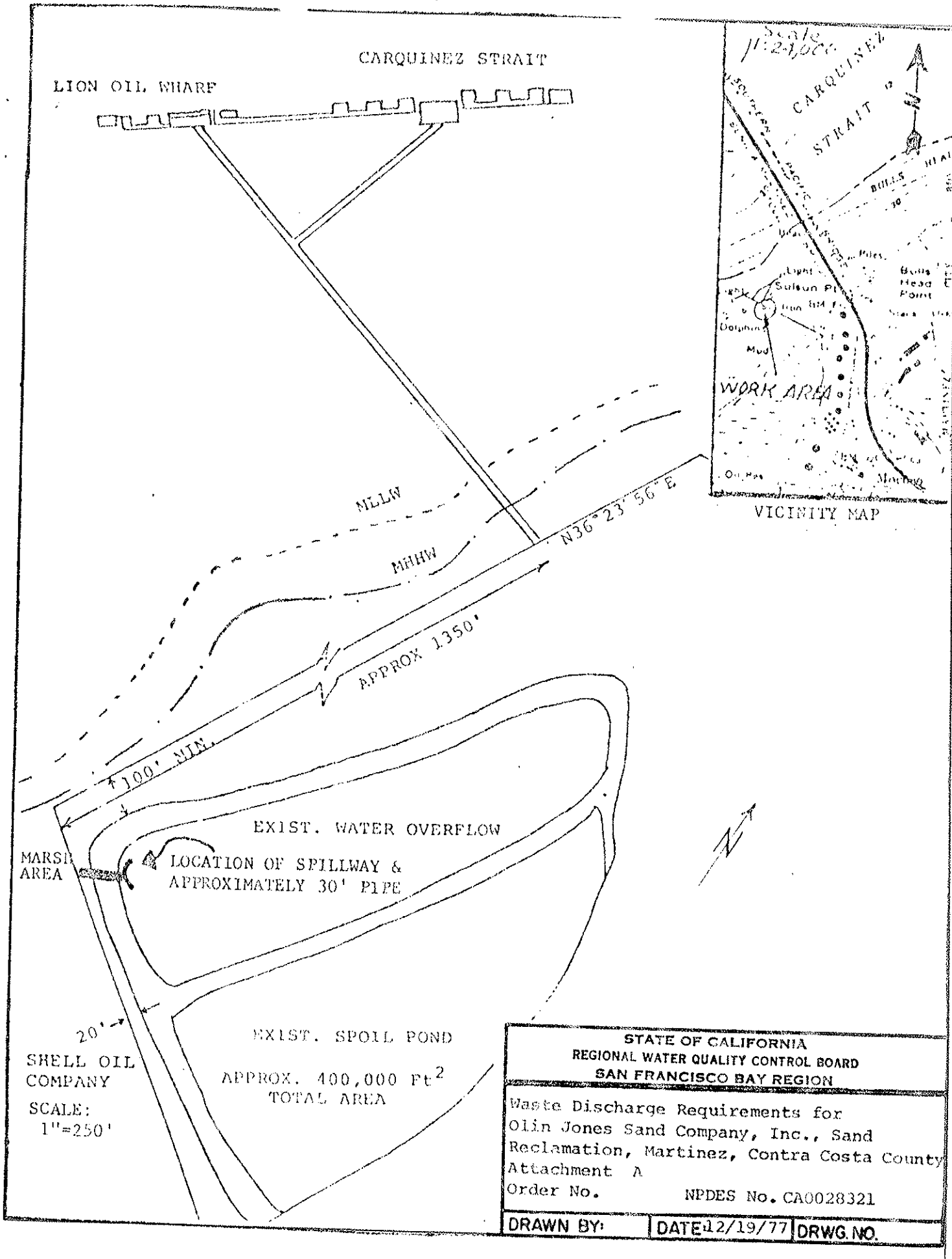
1. The requirements prescribed by this Order supersede the requirements prescribed by Order No. 78-4 adopted on January 17, 1978. Order No. 78-4 is hereby rescinded.
2. The discharger shall comply with all sections of this Order immediately upon adoption.
3. The discharger shall comply with the self-monitoring program as adopted by this Board and as may be amended by the Executive Officer.

4. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program as directed by the Executive Officer.
5. The discharger shall notify the Board not later than 180 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or precessing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.
6. The dischargers shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location, or volume of the discharge.
7. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.
8. The discharger shall permit the Regional Board:
 - (a) Entry upon premises in which an effluent source is located or in which any required records are kept,
 - (b) Access to copy any records required records are kept under terms and conditions of this Order,
 - (c) Inspection of monitoring equipment or records, and
 - (d) Sampling of any discharge.
9. All dischargers authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.
10. The discharger shall maintain in good working order and operate efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
11. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control Board and which is in full compliance therewith.

12. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
 - (a) Violation of any term or condition contained in this Order;
 - (b) Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts;
 - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
 - (d) A change in applicable effluent limitations guidelines as established by the Environmental Protection Agency pursuant to sections 301, 304(b), 306, and 307 of the Federal Water Pollution Control Act, as amended.
13. In the event the discharger is unable to comply with any of the conditions of this Order due to:
 - (a) Breakdown of waste treatment equipment;
 - (b) Accidents caused by human error or negligence; or
 - (c) Other causes such as acts of nature,the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.
14. The Order expires on December 14, 1988, and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.
15. In the event of any change in control or ownership or land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this Order by a letter, a copy of which shall be forwarded to this Board.

I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on January 18, 1984.

ROGER B. JAMES
Executive Officer



STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION		
Waste Discharge Requirements for Olin Jones Sand Company, Inc., Sand Reclamation, Martinez, Contra Costa County Attachment A		
Order No.	NPDES No. CA0028321	
DRAWN BY:	DATE 12/19/77	DRWG. NO.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Olin Jones Sand Company, Inc.

Sand Reclamation

Martinez, Contra Costa County

NPDES NO. CA 0028321

ORDER NO. 84-1

CONSISTS OF

PART A

AND

PART B

PART B

A. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by this Regional Board,
2. To facilitate self-policing by the Waste discharger in the prevention and abatement of pollution arising from waste discharge,
3. To develop or assist in the development of effluent or other limitations, discharge prohibitions, national standards of performance, pretreatment and toxicity standards, and other standards, and
4. To prepare water and wastewater quality inventories.

B. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSES AND OBSERVATIONS

I. Effluent - Hydraulic Dredging Operation

Station

Description

E-001

The wastewater at the weir prior to discharge through the pipeline from the retention ponds to the adjacent marsh and the Carquinez Strait.

Station

Type of Sample and Frequency

Analyses

Units

E-001

Grab Sample during the first and last hour of operation each day, daily when discharging

Settleable
Matter
pH

ml/l-hr

units

II. Receiving Water - Marsh Area

<u>Station</u>	<u>Description</u>
C-1-E-001	At a point located within 20 feet and under the influence of the discharge from the retention pond pipeline in the adjacent marsh.
C-R-E-001	At a point located 100 feet east and out of the influence of the discharge from the retention pond pipeline in the adjacent marsh.

<u>Station</u>	<u>Type of Sample & Frequency</u>	<u>Observations</u>
All C Stations	Prior to and at the conclusion of each period of discharge	All Standard observations as follows:
a.	Evidence of oil, grease or foam: presence or absence, source, and size of affected area.	
b.	Discoloration: description of color, source, and size of affected area.	
c.	Bottom sediment deposits resulting from discharge: average depth of deposit, characterization, and size of affected area.	

III. Land Observations at Sand Wastewater Retention Ponds

<u>Station</u>	<u>Description</u>
L-1 thru L-'n'	Located along the perimeter levee of the land impoundment facility at equidistant intervals not to exceed 300 feet. (A sketch showing the location of these stations will accompany each report.)

<u>Type of Sample and Frequency</u>	<u>Observation and Analyses</u>
Observations, twice weekly, during periods of discharge	All standard observations as follows:
(1)	Determine height of the freeboard at lowest point of dikes confining liquid wastes.
(2)	Evidence of leaching liquid from area of confinement and estimated size of affected area. (Show affected area on a sketch.)

- (3) Evidence of low points in dike resulting in overflow of water other than described in Report or Waste Discharge. Low points shall be filled immediately with appropriate fill material.

C. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Violations of Requirements

In the event the discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- (a) Maintenance work, power failure, or breakdown of waste treatment equipment, or
- (b) Accidents caused by human error or negligence, or
- (c) Other causes, such as acts of nature.

The discharger shall notify the Regional Board Office by telephone as soon as he or his agents have knowledge of the incident and confirms this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problem from recurring.

2. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar month (unless specified otherwise) by the fifteenth day of the following month. The report shall be in letter form and shall specifically cover each point in the Monitoring Program (Part B). Any violations shall be clearly identified, and actions taken or planned for correcting violations shall be included. Monitoring reports shall be signed:

- (a) In the case of corporations, by a principal Executive Officer at least at the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates, or
- (b) In the case of a partnership, by a general partner, or
- (c) In the case of a sole proprietorship, by the proprietor.

The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedures set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 84-1.
2. If effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

ROGER B. JAMES
Executive Officer

Date Ordered _____

Attachment:
Table I